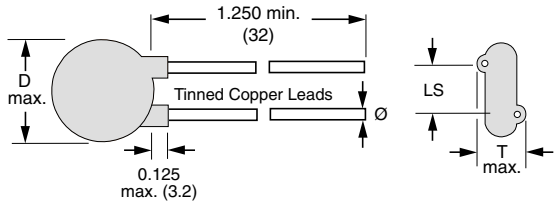
DIMENSIONS in inches (millimeters)



ORDERING INFORMATION, CERAMIC X1/Y2 CAPACITORS 30LV

C (pF)	TOL. (%)	$D_{max.}$ DIAMETER INCH (mm)	$T_{max.}$ THICKNESS INCH (mm)	WIRE SIZE		LS LEAD SPACE INCH (mm)	ORDERING CODE
				AWG	INCH (mm)		
C0G							
10	± 10	0.330 (8.4)	0.190 (4.8)	22	0.025 (0.64)	0.250 (6.4)	30LVQ10-R
U2J							
15	± 10	0.330 (8.4)	0.200 (5.1)	22	0.025 (0.64)	0.250 (6.4)	30LVQ15-R
P3K							
22	± 10	0.330 (8.4)	0.185 (4.7)	22	0.025 (0.64)	0.250 (6.4)	30LVQ22-R
R3L							
33	± 10	0.330 (8.4)	0.190 (4.8)	22	0.025 (0.64)	0.250 (6.4)	30LVQ33-R
47	± 10	0.330 (8.4)	0.170 (4.3)	22	0.025 (0.64)	0.250 (6.4)	30LVQ47-R
S3L							
68	± 10	0.330 (8.4)	0.175 (4.4)	22	0.025 (0.64)	0.250 (6.4)	30LVQ68-R
X7R							
100	± 10	0.330 (8.4)	0.200 (5.1)	22	0.025 (0.64)	0.250 (6.4)	30LVT10-R
150		0.330 (8.4)	0.180 (4.6)				30LVT15-R
220		0.330 (8.4)	0.190 (4.8)				30LVT22-R
330		0.330 (8.4)	0.210 (5.3)				30LVT33-R
470		0.330 (8.4)	0.180 (4.6)				30LVT47-R
560		0.330 (8.4)	0.190 (4.8)				30LVT56-R
680		0.330 (8.4)	0.180 (4.6)				30LVTT68-R
1000		0.365 (9.3)	0.185 (4.7)				30LVTD10-R
1500		0.460 (11.7)	0.180 (4.6)				30LVTD15-R
Y5U							
680	± 20	0.330 (8.4)	0.210 (5.3)	22	0.025 (0.64)	0.250 (6.4)	30LVT68-R
1000		0.330 (8.4)	0.215 (5.5)				30LVD10-R
1500		0.330 (8.4)	0.195 (5.0)				30LVD15-R
2000		0.400 (10.2)	0.210 (5.3)				30LVD20-R
2200		0.400 (10.2)	0.200 (5.1)				30LVD22-R
2700		0.430 (10.9)	0.200 (5.1)				30LVD27-R
2800		0.430 (10.9)	0.200 (5.1)				30LVD28-R
3000		0.460 (11.7)	0.200 (5.1)				30LVD30-R
3200		0.460 (11.7)	0.200 (5.1)				30LVD32-R
3300		0.460 (11.7)	0.195 (5.0)				30LVD33-R
3900		0.490 (12.4)	0.200 (5.1)				30LVD39-R
4000		0.530 (13.5)	0.210 (5.3)				30LVD40-R

ORDERING INFORMATION, CERAMIC X1/Y2 CAPACITORS 30LV							
C (pF)	TOL. (%)	$D_{max.}$ DIAMETER INCH (mm)	$T_{max.}$ THICKNESS INCH (mm)	WIRE SIZE		LS LEAD SPACE INCH (mm)	ORDERING CODE
				AWG	INCH (mm)		
Y5U							
4700	± 20	0.620 (15.7)	0.230 (5.8)	20	0.032 (0.81)	0.375 (9.5)	30LVD47-R
5000		0.620 (15.7)	0.225 (5.7)				30LVD50-R
5500		0.560 (14.2)	0.195 (5.0)				30LVD55-R
5600		0.560 (14.2)	0.205 (5.2)				30LVD56-R
6800		0.620 (15.7)	0.215 (5.5)				30LVD68-R
8000		0.680 (17.3)	0.205 (5.2)				30LVD80-R
9000		0.720 (18.3)	0.210 (5.3)				30LVD90-R
10 000		0.790 (20.1)	0.225 (5.7)				30LVS10-R
15 000		0.900 (22.9)	0.210 (5.3)				30LVS15-R

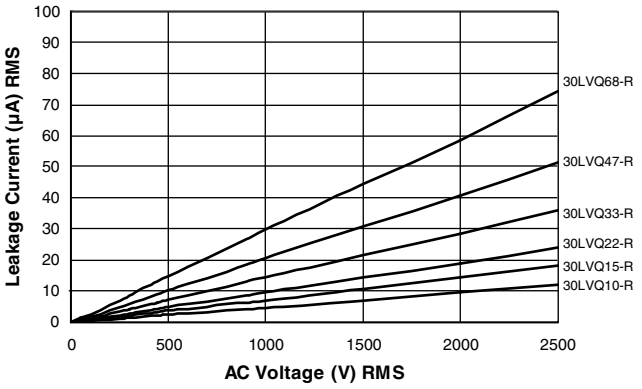
Notes

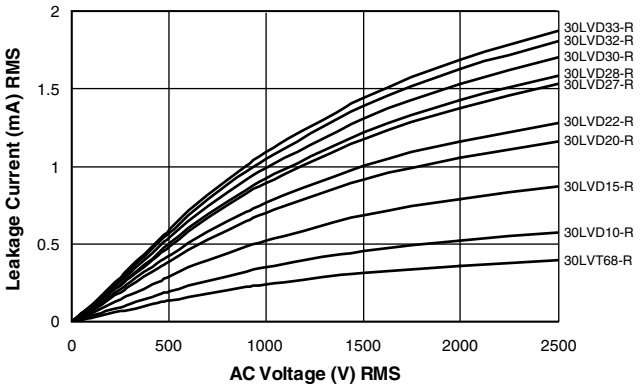
- Alternate lead spacings of 7.5 mm and 10 mm are available bulk or tape and reel on request
- Minimum lead clearance according to IEC 60384-14: 0.118" (3 mm)

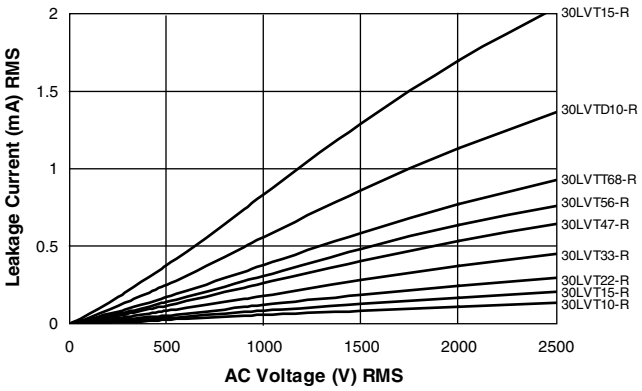
TAPE AND REEL OPTIONS

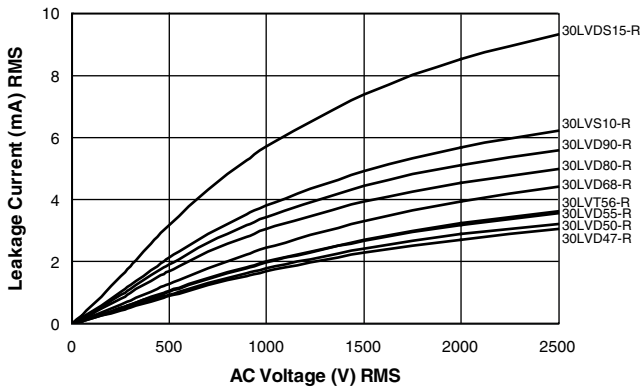
Part number codes and specifications for tape and reel packaging are found in the general information document - find web-link below.

LEAKAGE CURRENT VS. VOLTAGE (Typical)

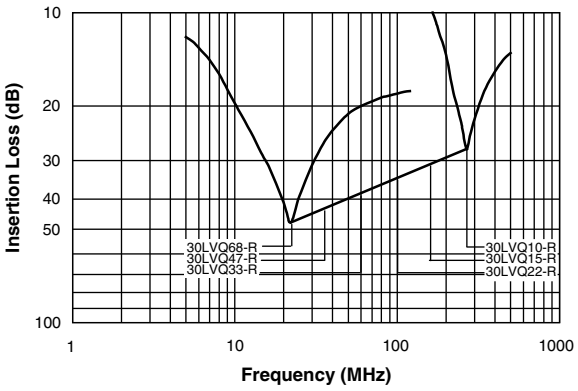


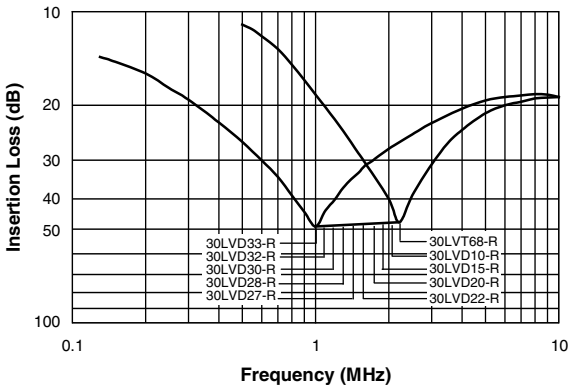


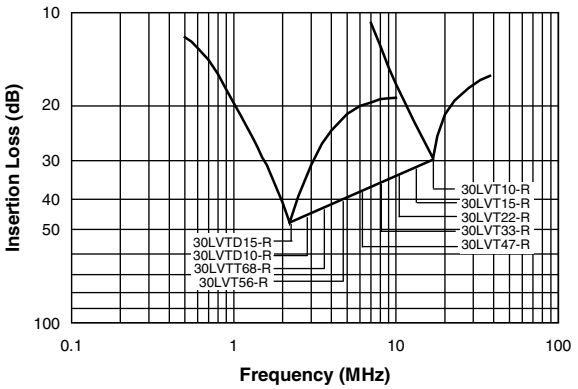


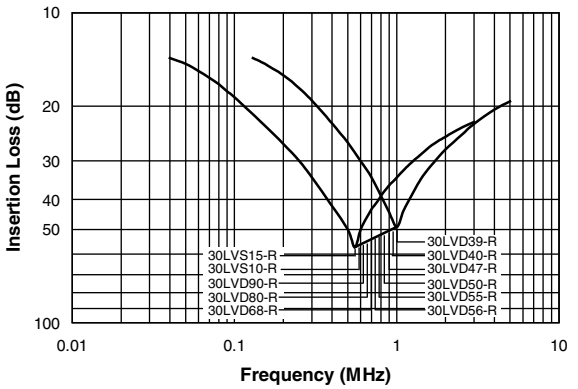


INSERTION LOSS VS. FREQUENCY (Typical)









APPROVALS

IEC 60384-14 - Safety tests
This approval together with CB test certificate substitutes all national approvals.

CB Certificate				
Y2-capacitor: CB test certificate:	DE1-63499	10 pF to 15 nF	300 V_{AC} (1)	
Y2-capacitor: CB test certificate:	DE1-63499	10 pF to 15 nF	250 V_{AC} (1)	
X1-capacitor: CB test certificate:	DE1-63499	10 pF to 15 nF	400 V_{AC}	
VDE				
Y2-capacitor: VDE marks approval:	40003992	10 pF to 15 nF	300 V_{AC} (1)	
Y2-capacitor: VDE marks approval:	40003992	10 pF to 15 nF	250 V_{AC} (1)	
X1-capacitor: VDE marks approval:	40003992	10 pF to 15 nF	400 V_{AC}	
DIN EN 60384-14 VDE 0565-1-1 - Safety tests				
Underwriters Laboratories Inc.				
Y2-capacitor: UL test certificate:	E99264	10 pF to 15 nF	300 V_{AC}	
X1-capacitor: UL test certificate:	E99264	10 pF to 15 nF	400 V_{AC}	
UL 60384-14, CSA E60384-1, CSA E60384-14				

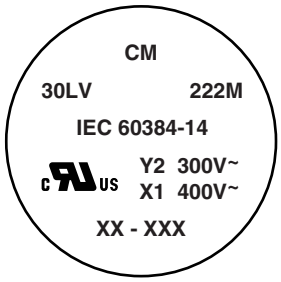
Fixed capacitors for electromagnetic interference suppression and connection to the supply mains.

Note

(1) LS ≥ 7.5 mm: 300 V_{AC}; 5.0 mm ≤ LS < 7.5 mm: 250 V_{AC}

MARKING

Sample



Notes

- Marking IEC 60384-14 does not apply for Ø ≤ 9 mm
- Coding is as follows: 1st figure indicates the year and 2nd figure indicates the month according to IEC 60062. The 3rd to 5th figure indicate the last three digits of the lot number

RELATED DOCUMENTS

General Information	www.vishay.com/doc?23140
CB Test Certificate	www.vishay.com/doc?22228
VDE Marks Approval	www.vishay.com/doc?22229
UL Test Certificate	www.vishay.com/doc?22230

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